

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-58. (Canceled).

59. (Currently Amended) An oral pharmaceutical composition ~~comprising~~consisting of a mixture of:

(a) an active macromolecular principle which is a polypeptide or protein, polynucleotide or polysaccharide, and

(b) an aromatic alcohol absorption enhancer chosen from propyl gallate, butylated hydroxy toluene (BHT), butylated hydroxy anisole (BHA) and analogues and derivatives thereof, wherein the aromatic alcohol absorption enhancer is present in an amount by weight greater than or equal to that of the active macromolecular principle, wherein the composition is coated with an enteric coating which becomes permeable at a pH of from 3 to 7, and wherein when the aromatic alcohol is propyl gallate or an analogue or derivative thereof, the composition further comprises a solubilization aid capable of increasing the solubility of the aromatic alcohol absorption enhancer in aqueous media.

60. (Previously Presented) A composition according to claim 59, which further comprises a solubilization aid capable of increasing the solubility of the aromatic alcohol absorption enhancer in aqueous media.

61. (Previously Presented) A composition according to claim 59, wherein the mixture comprises less than 5% by weight of water.

62. (Previously Presented) A composition according to claim 59, wherein the mixture comprises at least 1% by weight of the aromatic alcohol absorption enhancer.

63. (Previously Presented) A composition according to claim 59, wherein the ratio by weight of the aromatic alcohol absorption enhancer to active macromolecular principle is at least 5:1.

64. (Previously Presented) A composition according to claim 59, wherein the mixture is in the form of a solution or a microparticulate dispersion.

65. (Previously Presented) A composition according to claim 59, wherein the mixture is in solid form.

66. (Previously Presented) A composition according to claim 59, wherein the active macromolecular principle is a polypeptide or protein.

67. (Previously Presented) A composition according to claim 59, wherein the aromatic alcohol absorption enhancer is chosen from BHT, BHA and analogues and derivatives of hydroxy toluene or hydroxy anisole where the methyl group or the methoxy group linked to the aromatic ring and/or the hydrogen ortho to the hydroxyl group are replaced by linear or branched chain C_{1-12} alkyl, C_{1-12} alkyloxy, C_{1-12} alkylthio or C_{2-12} alkenyl, either unsubstituted or substituted in any position by halogen atoms.

68. (Previously Presented) A composition according to claim 60, wherein the aromatic alcohol absorption enhancer is propyl gallate or a linear or branched chain C_{1-12} alkyl, C_{1-12} alkyloxy, C_{1-12} alkylthio or C_{2-12} alkenyl ester of gallic acid, and the compounds are optionally substituted with halogen atoms, linear or branched chain C_{1-12} alkyl, C_{1-12} alkyloxy, C_{1-12} alkylthio or C_{2-12} alkenyl.

69. (Previously Presented) A composition according to claim 60, where the solubilization aid is chosen from a bile acid or salt, benzyl alcohol, phenyl ethanol, phenoxyethanol, transcitol and isopropanol.

70. (Previously Presented) A composition according to claim 59, where the active macromolecular principle is insulin, calcitonin, growth hormone, parathyroid hormone, erythropoeitin, GLP1 or GCSF, or a derivative or analogue thereof, either synthetic or from natural sources, conforming to structures derived from either human or animal origin.

71. (Previously Presented) A composition according to claim 59, where the active macromolecular principle is insulin, calcitonin, parathyroid hormone or a derivative or analogue thereof, either synthetic or from natural sources, conforming to structures derived from either human or animal origin.

72. (Previously Presented) A composition according to claim 71, where the active macromolecular principle is insulin or a derivative or an analogue thereof, either synthetic or from natural sources, conforming to structures derived from either human or animal origin and the composition further comprises an insulin sensitizing agent.

73. (Previously Presented) A method of enhancing the absorption of an active macromolecular principle which is a polypeptide or protein, polynucleotide or polysaccharide in a patient, which method comprises orally administering to said patient a composition as defined in claim 59.

74. (Previously Presented) A method according to claim 73, wherein the composition enhances the absorption of the active macromolecular principle across the intestinal wall.

75. (Previously Presented) A method of enhancing the absorption of an active macromolecular principle which is a polypeptide or protein, polynucleotide or polysaccharide in

a patient, which method comprises orally administering to said patient an aromatic alcohol chosen from propyl gallate, butylated hydroxy toluene, butylated hydroxy anisole and analogues and derivatives thereof together with a solubilization aid capable of increasing the solubility of the aromatic alcohol absorption enhancer in aqueous media.

76. (Previously Presented) A method according to claim 74, wherein the composition comprises less than 5% by weight of water.

77. (Previously Presented) A method according to claim 75, wherein the solubilization aid is selected from a conjugated bile acid or salt, benzylalcohol, phenylethanol, phenoxyethanol, transcitol and isopropanol.

78. (Previously Presented) A method according to claim 74, wherein the composition is comprised in a medicament, which medicament is provided in the form of a solution, as a microparticulate dispersion or as a solid.

79. (Previously Presented) A method according to claim 74, wherein the active macromolecular principle is a polypeptide or protein.

80. (Previously Presented) A method according to claim 79, wherein the active macromolecular principle is insulin, calcitonin, growth hormone, parathyroid hormone, erythropoietin, GLP1 or GCSF, or a derivative or analogue thereof, either synthetic or from natural sources, conforming to structures derived from either human or animal origin.

81. (Previously Presented) A method according to claim 80, wherein the active macromolecular principle is insulin, calcitonin, parathyroid hormone or a derivative or analogue thereof, either synthetic or from natural sources, conforming to structures derived from either human or animal origin.

82. (Previously Presented) A method according to claim 81, wherein the active macromolecular principle is insulin or a derivative or an analogue thereof, either synthetic or from natural sources, conforming to structures derived from either human or animal origin and an insulin sensitizing agent is also present.

83. (Previously Presented) An oral pharmaceutical composition comprising a mixture of:

- (a) an active macromolecular principle which is a polypeptide or protein, polynucleotide or polysaccharide,
- (b) an aromatic alcohol absorption enhancer selected from butylated hydroxy toluene, butylated hydroxy anisole and analogues and derivatives of hydroxy toluene or hydroxy anisole where the methyl group or the methoxy group linked to the aromatic ring and/or the hydrogen ortho to the hydroxyl group are replaced by linear or branched chain C₁₋₁₂ alkyl, C₁₋₁₂ alkyloxy, C₁₋₁₂ alkylthio or C₂₋₁₂ alkenyl, either unsubstituted or substituted in any position by halogen atoms, and wherein the aromatic alcohol absorption enhancer is present in an amount by weight greater than or equal to that of the active macromolecular principle, and
- (c) a solubilization aid capable of increasing the solubility of the aromatic alcohol absorption enhancer in aqueous media, which is chosen from a bile acid or salt, benzyl alcohol, phenyl ethanol, phenoxyethanol, transcutool and isopropanol, wherein the composition is coated with an enteric coating which becomes permeable at a pH of from 3 to 7.

84. (Previously Presented) An oral pharmaceutical composition comprising a mixture of:

- (a) an active macromolecular principle which is a polypeptide or protein, polynucleotide or polysaccharide,
- (b) an aromatic alcohol absorption enhancer which is propyl gallate or a linear or branched chain C₁₋₁₂ alkyl, C₁₋₁₂ alkyloxy, C₁₋₁₂ alkylthio or C₂₋₁₂ alkenyl ester of gallic acid, and

the compounds are optionally substituted with halogen, linear or branched chain C₁₋₁₂ alkyl, C₁₋₁₂ alkyloxy, C₁₋₁₂ alkylthio or C₂₋₁₂ alkenyl, and wherein the aromatic alcohol absorption enhancer is present in an amount by weight greater than or equal to that of the active macromolecular principle, and

(c) a solubilization aid capable of increasing the solubility of the aromatic alcohol absorption enhancer in aqueous media, which is selected from a bile acid or salt, benzyl alcohol, phenyl ethanol, phenoxyethanol, transcutool and isopropanol, wherein the composition is coated with an enteric coating which becomes permeable at a pH of from 3 to 7.

85. (Previously Presented) A composition according to claim 59, wherein the active macromolecular principle is a polynucleotide which is single, double or triple-stranded RNA.

86. (Previously Presented) A composition according to claim 85, wherein the active macromolecular principle is a polynucleotide which is double-stranded RNA.

87. (Previously Presented) A composition according to claim 59, wherein the active macromolecular principle is a polysaccharide which is heparin.

88. (Previously Presented) A method according to claim 74, wherein the active macromolecular principle is a polynucleotide which is single, double or triple-stranded RNA or a polysaccharide which is heparin.

89. (Previously Presented) A method according to claim 88, wherein the polynucleotide is double-stranded RNA.

90. (Previously Presented) An oral pharmaceutical composition according to claim 59, wherein the active macromolecular principle has a molecular weight of over 2000 Da.

91. (Previously Presented) An oral pharmaceutical composition according to claim 59, wherein the active macromolecular principle has a molecular weight of over 3000 Da.

92. (Previously Presented) A method according to claim 73, wherein the active macromolecular principle has a molecular weight of over 2000 Da.

93. (Previously Presented) A method according to claim 73, wherein the active macromolecular principle has a molecular weight of over 3000 Da.